

## REQUEST FOR PROPOSAL

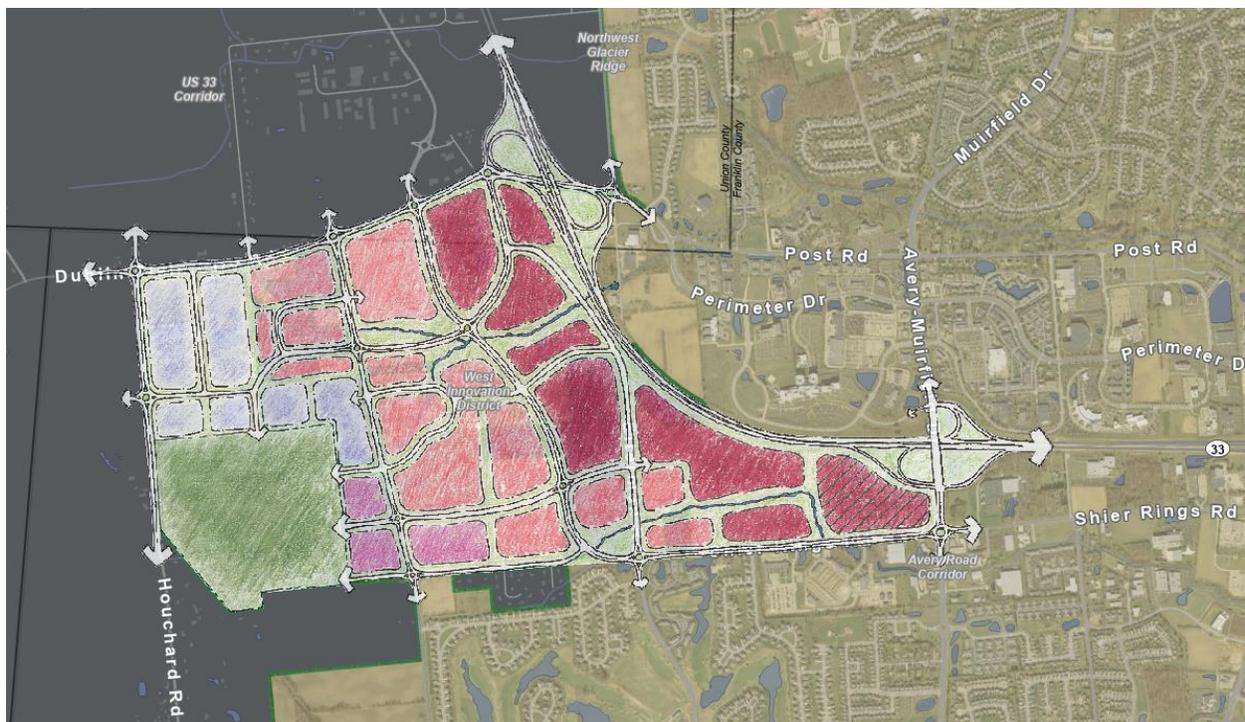
City of Dublin, Ohio  
Division of Transportation & Mobility

### **US 33 and Avery-Muirfield Drive** **Long-Term Operations and Alternatives Study**

#### EXECUTIVE SUMMARY

The City of Dublin is requesting proposals to develop a study, alternative solutions, and recommendation to improve the long-term operations of the US 33 and Avery-Muirfield Drive interchange and adjacent corridor.

As such, the City is currently in the process of procuring the professional services of a consulting engineering firm to prepare a report researching and recommending the best alternative for the study area. The City of Dublin, Division of Transportation & Mobility is hereby requesting a PROPOSAL from multi-disciplined, professional engineering consulting firms. The majority of the design professionals involved with the project must be located in Central Ohio. The selected firm will provide the professional engineering services for this project in accordance with the attached Project Description and Scope of Services.



## 1.0 PROJECT DESCRIPTION

### Background

- 1.1 As the West Innovation District continues to grow and thrive, the US 33 and Avery-Muirfield Drive interchange and adjacent Avery Road corridor are expected to experience significant changes in traffic patterns. Of specific interest are the US 33 and Avery-Muirfield Drive ramp terminals, the intersection of Avery Road and Shier Rings Road, and US 33 between Avery-Muirfield Drive and Post Road. The consultant will determine the final boundaries of study area through the project development.
- 1.2 Recent transportation studies conducted for University Blvd and the Avery Road and Shier Rings Road intersection have projected heavy turning movements through the Avery Road and Shier Rings Road intersection flowing to and from the north leg and west leg that is expected to cause congestion and delay, resulting in safety issues in the study area. The City is seeking solutions for this anticipated condition.

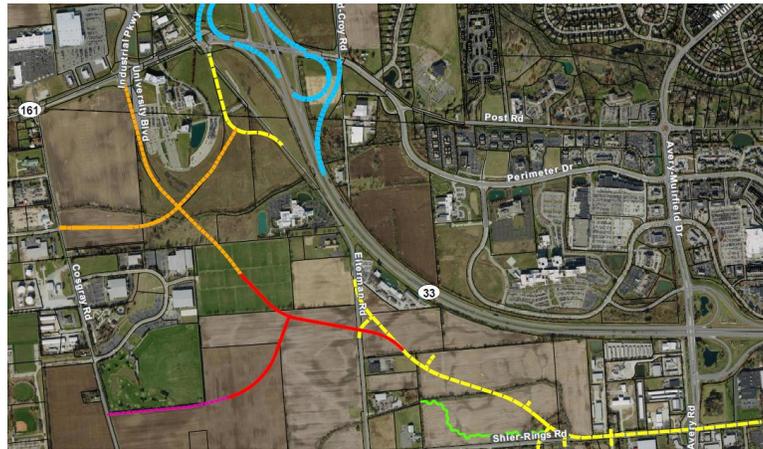
### Coordination with Completed Planning and Studies

- 1.3 The consultant shall review the I-270/US 33 Northwest Freeway Study Conceptual Alternatives Report and Strategic Plan, showing the preferred interchange layout for the study area. The consultant shall also review studies recently performed in this area for the OSU medical center (Carpenter Marty), University Blvd (EMH&T), and Avery Road and Shier Rings Road traffic control evaluation (Kimley-Horn). Reference documents are provided in the RFP link.
- 1.4 The consultant will include accommodations for pedestrians, bicycles, micro-mobility and transit with recommendations for separation or shared spaces for individual travel modes with consideration of the Community Plan, [Bikeway Plan](#) and [Public Transportation](#) sections, as well as the [Mobility Study](#) (scroll down to the Reports & Surveys section) and [LinkUS](#).



- 1.5** The study team will review the [Dublin Community Plan](#), [Thoroughfare Plan](#), [Bikeway Plan](#), [West Innovation District](#) and [Avery Road Corridor Special Area Plans](#), [Shier Rings Road Corridor Study](#), the I-270/US 33 Northwest Freeway Study, and the draft Thoroughfare Plan routes associated with the current University Boulevard alignment. [Documents without a hyperlink above are included on the RFP webpage.]

- Include any proposed changes to these existing planning documents in the study recommendations. Each existing plan should be annotated with recommendations from the subject study.



- Evaluate the future land use assignments, and recommend changes to relate to the proposed roadway network, infrastructure, and accessibility. Identify any new opportunities for development based on the recommended infrastructure.
- Include character and design related perspectives in the analysis that meet the vision for the area. Suggest roadway characteristics to be carried to the Thoroughfare Plan, Bikeway Plan, and Roadway Character portions of the Community Plan.

- 1.6** The City will provide aerial mapping, available roadway and utility plans in the area. Consultant will supplement as needed with field verification.

### Alternatives and Analysis

- 1.7** The consultant will develop a problem statement, along with study goals and objectives. The consultant will relate each alternative to the elements of the problem statement and study goals/objectives and how those needs are addressed or not addressed.
- 1.8** The consultant will consider, evaluate, compare, and discuss aesthetic components of each alternative, providing conceptual layouts and an ultimate recommendation on aesthetics.

- 1.9** This study will not only provide the elements of a preliminary engineering study, but will also include the vision of a broader network, route choices, distribution of traffic, accommodation of all transportation modes, sensitivity to existing development, and tying together disconnected neighborhoods.
- 1.10** The consultant will evaluate up to four alternative solutions, adding individual alternatives “if authorized” as the study develops and any new conditions are realized.
- 1.11** The consultant will develop and evaluate multiple long-term alternatives, and ultimately recommend a preferred solution. The alternatives are expected to include, but are not limited to:
  - Assess the preferred interchange layout presented in the I-270/US 33 Northwest Freeway Study using updated traffic assumptions.



- Evaluate the possibility of a new US 33 crossing, new roadway alignment, and proposed intersections.
  - Develop other creative solutions and alternatives that have not been evaluated previously.
- 1.12** Consultant will develop traffic forecasts for year 2050 with turning movements projected for the study area, through coordination with MORPC. The study will also evaluate the existing conditions and traffic volumes. The consultant will identify which year and the increase in trips that trigger the need for recommended improvements at key locations.
  - 1.13** Consultant will provide capacity analysis and summarize results for each alternative.
  - 1.14** Consultant will include a safety review based on crash history.
  - 1.15** Consultant will consider, evaluate, and recommend traffic control and lane configurations for each link and study intersection, including, but not limited to stop control, roundabout, or traffic signal; signing and markings, etc.

- 1.16** Impacts to parking lots, buildings, trees, tree lawns, pedestrian ways, drainage, public utilities, private utilities, etc. should be detailed for each alternative.
- 1.17** Right-of-way widths should be recommended for the Thoroughfare Plan, and typical section renderings should be provided for the improved and/or proposed routes.



- 1.18** For any new crossing alternative, the study will evaluate and categorize the various structure types, and determine the feasibility of each. Consultant will recommend the structure type for any crossing. This evaluation will include, but is not limited to:
- The number of spans and types of structures
  - Estimated construction costs and life cycle cost
  - Consider at least three structure type alternatives
  - Reference the ODOT Bridge Design Manual as guidance, using Section 201 – Structure Type Study and ODOT L&D Manuals for vertical clearance and bridge width. This study is expected to exclude the Hydrology & Hydraulics (H&H) report and the Preliminary Maintenance of Traffic plan. With concrete beam or concrete slab alternatives, a vertical clearance of 17-ft is preferred.
- 1.19** Preliminary programming level cost estimates shall be prepared for each alternative. Estimates should include elements such as expected right-of-way acquisition, any potential utility relocations (including fiber optics/DubLink, etc.), design and construction.
- 1.20** The consultant will identify benefits and limitations of each alternative, create a decision-making matrix, and make a formal recommendation for the preferred alternative, relating back to the problem statement, study goals and objectives.

## Report

- 1.21** The consultant will provide graphics and discussions to interpret engineering analysis and concepts that can be easily understood by the general public.

- 1.22** Graphics, layouts, and detailed descriptions will be developed for each alternative. Illustrations and graphics will be important to convey the intent and findings of the study.
- 1.23** The consultant will provide a final one-page summary graphic depicting the entire recommended alternative.
- 1.24** Conclusions and final recommendations, including proposed roadway network, roadway alignments, and proposed intersection layouts that are supported by the problem statement, study goals and objectives, will be prepared and incorporated into a summary report.

### **Public Involvement**

- 1.25** The consultant will work with City staff to identify project stakeholders.
- 1.26** The consultant will prepare a presentation and/or materials for City Council, and the consultant will present study results to City Council (in-person or virtually based on City practices).
- 1.27** The consultant will prepare a presentation and/or materials for civic associations and stakeholders, as identified through the study process. The consultant will present study results.

### **Project Schedule and Status Updates**

- 1.28** A detailed project schedule is required with submission of the proposal. The project schedule must include dates for key tasks, milestones, and the overall completion date. The consultant must demonstrate the ability to meet their proposed schedule. The consultant may assume an estimated authorization date of **December 1, 2021**.
- 1.29** Status updates: Consultant will provide written project updates on a weekly basis via e-mail.

## **2.0 DELIVERABLES**

- 2.1** The consultant shall prepare a final report that includes documentation from the various aspects of the project to create a cohesive and comprehensive account of the project.
  - At 30% completion, a draft report will be submitted to City staff for review. Milestone date to be presented in the proposal by the consultant.
  - At 60% completion, a draft report will be submitted to City staff for review. Milestone date to be presented in the proposal by the consultant.
  - A 90% complete report will be submitted to City staff for review prior to final submittal. All project documentation will be provided

in hard copy and electronic (PDF) format. Milestone date to be presented in the proposal by the consultant.

- The final report will be prepared in 8.5x11 format with graphics not exceeding 11x17. The due date of the final report is the **completion date provided in the proposal.**

**2.2** Consultant must incorporate comments from Dublin and provide a disposition of comments in each subsequent submittal.

**2.3** The consultant shall summarize, and format specifically, any and all recommendations and graphics for posting on the City's website.

### **3.0 TIME OF COMPLETION**

**3.1** The consultant affirms that time is of the essence regarding the execution of this project and furthermore accepts the City's commitment to completion dates listed in Section 2. Therefore, the consultant commits to work with the City to perform their professional services expeditiously.

**3.2** Failure of the consultant to comply with the above-established deadline will jeopardize consideration of the consultant for providing professional engineering services on future City projects and may be used as cause to reject future proposals submitted by the consultant to the City.

### **4.0 PROPOSAL CONTENT**

Evaluation of the Proposals and ultimate selection of the consultant shall be based on the following criteria:

#### **4.1 Firm and Individual Qualifications**

- The competence of the firm to perform the required services as indicated by its background and experience on similar projects. Consultant should list and describe no more than five (5) projects that best demonstrate their experience on similar projects and additionally provide the **Estimated Cost and the Final Cost of each project.**
- Technical qualification, training, education, and experience of the offerer's principals and key technical personnel who would be assigned to perform the work. Resumes shall only be included in the Proposal for those individuals who will actually be involved in the project and assisting in the performance of the work. No other resumes shall be included.
- Name and experience of principal responsible for the work.
- Name and experience of project engineer who would be responsible for managing the project for the consultant and would

be the primary contact with the City during the progress of the work.

- Name and experience of engineers and/or technicians who would be assisting in the performance of the work.
- Name and experience of key personnel from all subconsultants who would be assisting in the design and completion of this project.

#### **4.2 Capacity to Perform the Work**

- Consultant's statement of understanding of and approach to the Scope of Services and other requirements relating to performance of their work. The project understanding and approach needs to cover all elements through the final study.
- The capacity of the firm to perform the required services competently and expeditiously to meet proposed schedules as indicated by the firm's size and availability of necessary personnel, subconsultant(s) availability, current workload, and equipment and facilities.

#### **4.3 Time of Completion**

- The demonstrated commitment of the firm to perform the work expeditiously and without delay.
- The ability of the firm to meet the Time of Completion as outlined in Sections 2 and 3.

#### **4.4 Compensation**

- All professional services will be provided on a cost plus fixed fee basis. Fees for additional items, as requested and authorized, will be established separately. The proposed fee will be based on completion of the report no later than the **completion date provided in the proposal**. Failure to submit fee proposal may cause the City to reject Proposal for this project.

#### **4.5 References**

- Quality, responsiveness, timeliness, and cost of work previously performed and completed for the City or other municipalities.
- Completeness of thoroughness of work performed. Accuracy of previous estimates of professional fees and estimated construction costs relative to final construction costs.
- Capabilities of key technical personnel who were assigned to perform and complete the work.
- Capabilities of key technical personnel from all subconsultants who were assigned to perform and complete the work.
- The ability of the consulting firm to meet schedules and deadlines.



- The ability of the consulting firm to control costs and meets budgets.
- Overall communication and cooperation of the consulting firm and its principals and key technical personnel with the client.

## 5.0 PROPOSAL REQUIREMENTS

- 5.1** Responding firms shall include in their Proposals all the information that is requested in Section 4, Proposal Content. Firms are encouraged to provide any additional information they feel will further demonstrate the firm's qualifications and abilities to acceptably complete this project but are hereby instructed to limit such additional information to that which is directly relevant to the services being requested.
- 5.2** The Proposal shall not exceed twenty (20) pages. Any superfluous information included not relevant to the services being requested only lengthens the review of a Proposal and could certainly detract from the true merits of the Proposal. Three (3) hard copies shall be submitted.
- 5.3** The Proposal shall also be submitted electronically, via email or USB flash drive. The submission must be compatible with Adobe Acrobat, in a single file, and be formatted to print on standard office paper sizes. No pages shall be larger than 11x17. Fax submissions will not be accepted.
- 5.4** All material submitted in accordance with this Request for Proposal (RFP) becomes property of the City and will not be returned.

If you have any questions regarding this RFP, please contact Jeannie Willis, PE, [jwillis@dublin.oh.us](mailto:jwillis@dublin.oh.us) or 614.410.4633. Any other contact with City personnel related to this RFP, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager.

**The Proposal should be submitted to the following address no later than 2:00 PM on November 4, 2021. Proposals received after this deadline will NOT be considered.**

Consultants should submit their Proposal to:

**Tina Wawzkiewicz, P.E.**  
City of Dublin, Ohio  
Division of Transportation & Mobility  
6555 Shier Rings Road  
Dublin, OH 43016

614.410.4636

[twawzkiewicz@dublin.oh.us](mailto:twawzkiewicz@dublin.oh.us)